

IN THE CLAIMS:

Please amend Claims 1 and 5 to read as follows.

1. (Currently Amended) An image pickup apparatus comprising:
an imaging element which converts light received from an object into an image signal;
a signal processing device which processes the image signal;
a display device that displays a multi-dimensional coordinate chart having at least a first coordinate axis representing first changes in hue, ~~and~~ a second coordinate axis representing second changes in hue which are different from the first changes in hue, and a plurality of achromatic color determining ranges; and

a user interface that allows a user to select a desired location setting within the multi-dimensional coordinate chart displayed in the display device so as to modify at least one achromatic color determining range displayed on the multi-dimensional coordinate chart,

wherein the signal processing device performs image processing of the image signal according to the setting.

2. (Previously Presented) The image pickup apparatus according to Claim 1, wherein the display device displays the multi-dimensional coordinate chart together with an image displayed on the basis of the image signal.

3. (Previously Presented) The image pickup apparatus according to Claim 1, wherein the display device switches the display screen between the image displayed on the basis of the image signal from the imaging element and the multi-dimensional coordinate chart in accordance with operation of the user interface.

4. (Previously Presented) The image pickup apparatus according to Claim 1, wherein the display device displays an image of the object to be captured and superimposes the multi-dimensional coordinate chart on the image of the object to be captured.

5. (Currently Amended) ~~The image pickup apparatus according to Claim 1, wherein the signal processing device includes a white balancing device that performs white balancing on the image signal,~~

~~wherein the desired location setting includes a setting of an achromatic color determining range for the white balancing, and~~

An image pickup apparatus comprising:

an imaging element which converts light received from an object into an image signal;

a signal processing device which processes the image signal;

a display device that displays a multi-dimensional coordinate chart having at least a first coordinate axis representing first changes in hue and a second coordinate axis representing second changes in hue which are different from the first changes in hue; and

a user interface that allows a user to select a desired location setting within the multi-dimensional coordinate chart displayed in the display device.

wherein the signal processing device performs image processing of the image signal according to the setting.

and wherein the signal processing device includes a white balancing device for performing ~~performs the~~ white balancing on the basis of ~~[[the]]~~ an achromatic color determining range set by the user interface.

6. (Previously Presented) The image pickup apparatus according to Claim 5, wherein the multi-dimensional coordinate chart has color temperatures indicated on the first coordinate

axis and another characteristic which is different from the indicated color temperatures on the second coordinate axis.

7. (Previously Presented) The image pickup apparatus according to Claim 6, wherein the second coordinate axis extends in the directions of green and magenta, and the first coordinate axis is a black radiation axis or an achromatic axis equivalent thereto.

8. (Previously Presented) The image pickup apparatus according to Claim 6, wherein the user interface sets the breadth of the achromatic color determining range along the first coordinate axis.

9. (Previously Presented) The image pickup apparatus according to Claim 6, wherein the user interface sets the breadth of the achromatic color determining range along the second coordinate axis.

10. (Original) The image pickup apparatus according to Claim 5, wherein the user interface arbitrarily sets an upper limit and/or a lower limit of the achromatic color determining range.

11. (Previously Presented) The image pickup apparatus according to Claim 5, wherein the user interface sets the achromatic color determining range by the coordinates on the multi-dimensional coordinate chart.

12. (Previously Presented) The image pickup apparatus according to Claim 5, wherein the user interface sets the achromatic color determining range by changing the shape of a closed

region on the multi-dimensional coordinate chart, the closed region representing the achromatic color determining range.

13. (Previously Presented) The image pickup apparatus according to Claim 7, wherein the user interface sets the achromatic color determining range by changing the position of the closed region on the multi-dimensional coordinate chart.

14. (Original) The image pickup apparatus according to Claim 7, wherein the achromatic color determining range settable by the user interface varies according to the conditions under which an image of the object is captured.

15. (Original) The image pickup apparatus according to Claim 7, wherein the achromatic color determining range settable by the user interface is limited to a higher color temperature side and/or a lower color temperature side according to the brightness of an object.

16.-37. (Cancelled)